

**Fig.7**

**material**



**roll-forming (a series of 15 to 20 rolls)**

**5**



**cutting**



**flash butt welding**



**10**

**correction in roundness**



**finishing the welded part (5 to 6 steps)**



**polishing the whole circumference**

**15**

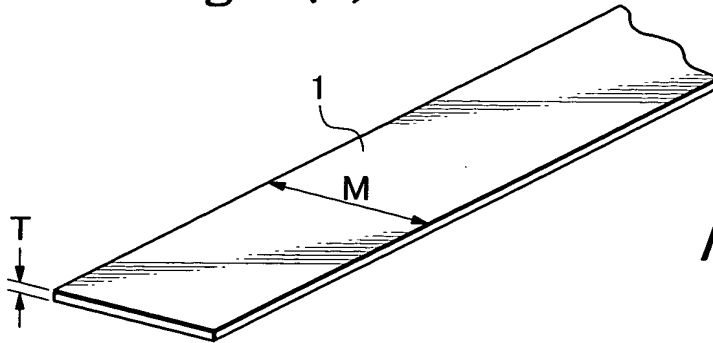
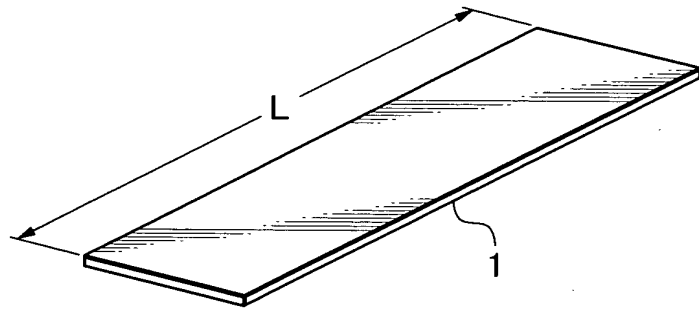
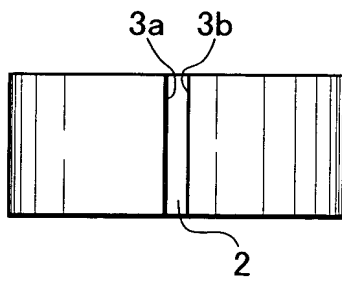
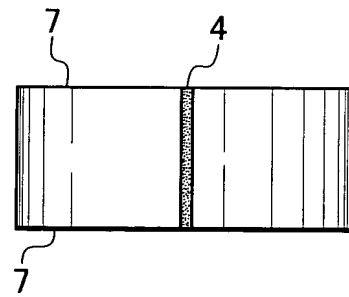
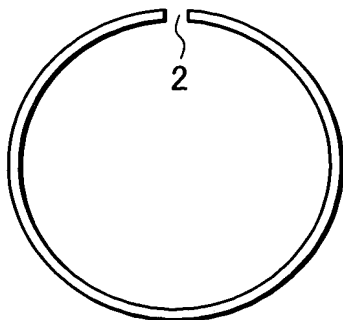
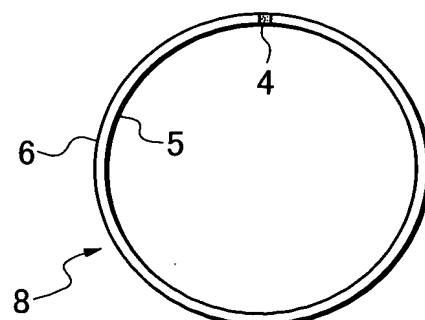


**making holes**

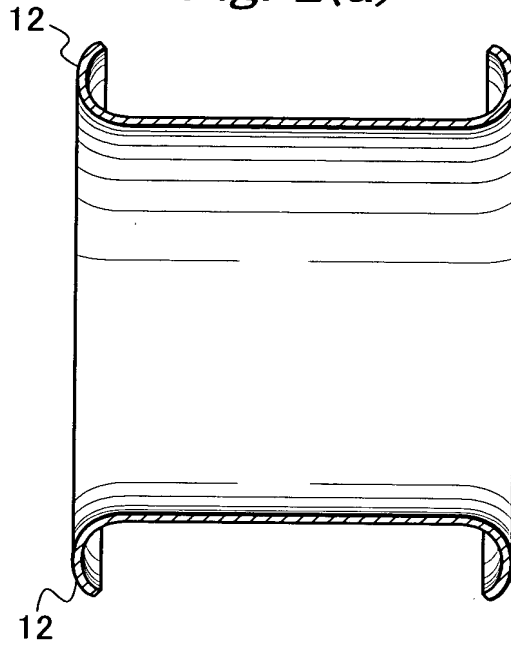


**surface treatment**

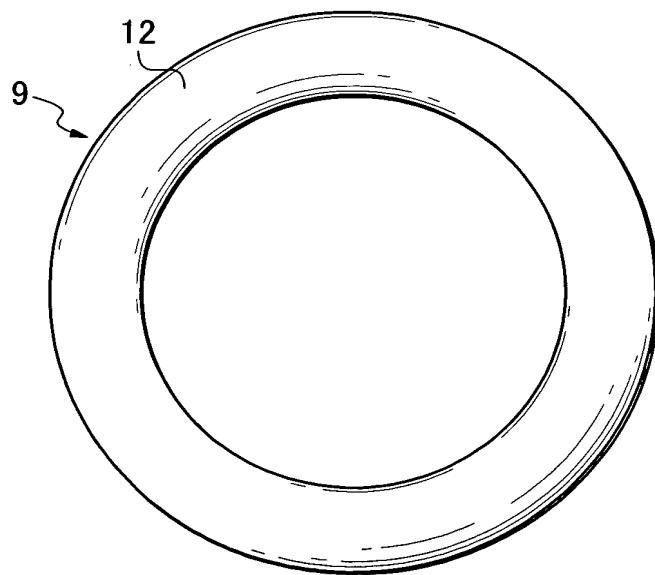
**20**

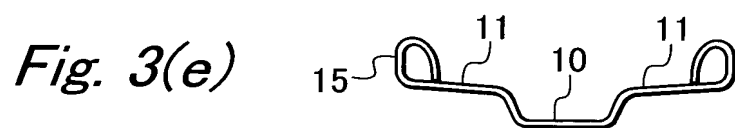
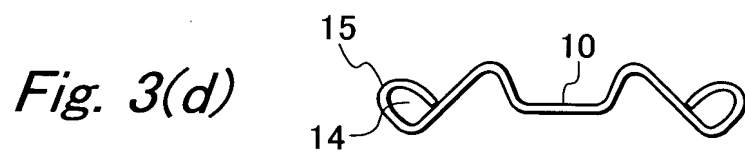
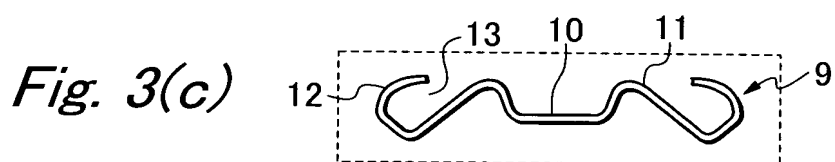
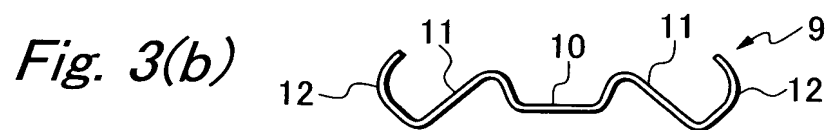
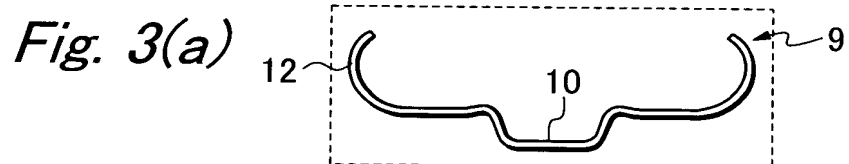
*Fig. 1(a)**Fig. 1(b)**Fig. 1(c)**Fig. 1(e)**Fig. 1(d)**Fig. 1(f)*

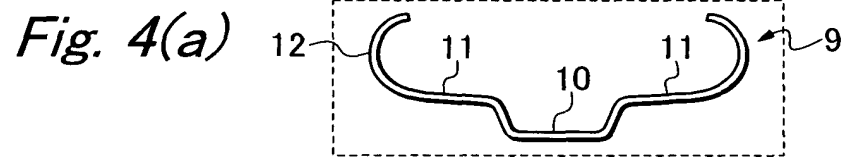
*Fig. 2(a)*



*Fig. 2(b)*







*Fig. 5(a)*

PRIOR ART



*Fig. 5(b)*

PRIOR ART



# *Fig. 6*

PRIOR ART

